

10/589818

IAP6 Rec'd PCT/PTO 17 AUG 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Kazuhiro IIDA et al. : **Mail Stop: PCT**
Serial No. NEW : Attorney Docket No. 2006_1205A
Filed August 17, 2006 :

AUDIO SIGNAL ENCODING DEVICE,
AUDIO SIGNAL DECODING DEVICE, AND
METHOD AND PROGRAM THEREOF
[Corresponding to PCT/JP2005/12221
Filed July 1, 2005]

THE COMMISSIONER IS AUTHORIZED
TO ACCEPT ANY DEPOSIT OF
THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____;
and/or
- ☐ each reference previously cited in prior parent application Serial No.
_____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the
above-entitled application, **or**

ATTACHMENT "D"

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

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3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☒ the concise explanation contained in the specification of the present application at pages 1-2,
 - d. ☒ the concise explanation set forth in the attached English language abstract,
 - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:
- U.S. Patent No. 5,680,464 corresponds to JP 8-275300; and
WO 98/03036 and U.S. Patent No. 6,771,777 correspond to JP 2000-505266.**
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Kazuhiro IIDA et al.

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August 17, 2006

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2006_1205ASERIAL NO.
NEW

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: August 17, 2006

APPLICANT
Kazuhiro IIDA et al.FILING DATE
August 17, 2006

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,680,464	10/1997	Iwamatsu			
	AB	6,771,777	8/2004	Gbur et al.			
	AC	2003/0219130	11/2003	Baumgarte et al.			
	AD	2003/0035553	2/2003	Baumgarte et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AE	8-275300	10/1996	JP			Abstract
	AF	2000-505266	4/2000	JP			
	AG	98/03036	1/1998	WO			
	AH	2000-295698	10/2000	JP			Abstract
	AI	2002-229598	8/2002	JP			Abstract
	AJ	3195491	6/2001	JP			Abstract
	AK	3214255	7/2001	JP			Abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	ISO/IEC 14496-3:2001 AMD2 " <u>Parametric Coding for High Quality Audio</u> ", Waikoloa, Hawaii, December 2003.
	AM	" <u>Spatial Hearing</u> ", Blauert, Jens., Masahiro Morimoto, and Toshiyuki Gotoh, eds. Space Acoustic. Kashima Publications, 1986.
	AN	" <u>Spatial Hearing</u> ", The Psychophysics of Human Sound Localization, revised edition, MIT Press, 1997.
	AO	M. Morimoto, K. Ikida, and Y. Furue, " <u>Relation Between Auditory Source Width in Various Sound Fields and Degree of Interaural Cross-Correlation</u> ", Applied Acoustics, 38 (1993), pages 291-301.
	AP	" <u>The Relationship Between the Cross-Correlation Coefficient and Sound Image Quality of Two-Channel Acoustic Signals</u> ", Journal of Acoustical Society of Japan, vol. 39, no. 4, 1983.

EXAMINER

DATE CONSIDERED